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Result
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Maximum DB seq length: 2000000000
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence:
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2994
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sp_phage:*
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054896 mus musculu
096nt2 homo sapten
090wt6 carassius a
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ALIGNMENTS

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RESULT 1
Q61480
                                                                 RA Wakann H., Oshima H., Chung W., Williams-Abbott L., Ware C.F.,
RA Vagita H., Okumura K.;

"TRAF5, an activator of NF-kappaB and putative signal transducer for
RT the lymphotoxin-beta receptor.";

RI J. Biol. Chem. 271:14661-14664(1996).

"C -!- SIMILARITY: CONTAINS 1 RING-TYPE ZINC FINGER.

EMBL; D78141; BAA11218.1; -.

RMCD; MCI:107548; Traf5.

RING-TYPE ZINC FINGER.

InterPro; IPR002083; MATH.

InterPro; IPR002083; MATH.

InterPro; IPR001293; Znf_TRAF.

RING-TYPE ZINC FINGER.

RFam; PF00917; MATH; 1.

Pfam; PF0097; Zf-C3HC4; 1.

R SMART; SM00061; MATH; 1.

B SMART; SM00184; RING; 1.
    Query Match
                                 SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                  Mus musculus (Mouse).
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus
                                                                                                                                                                                                                                                                                                                                                                                                                                                              01-NOV-1996 (TrEMBLrel. 01, Created)
01-NOV-1996 (TrEMBLrel. 01, Last sequence update)
01-JUN-2002 (TrEMBLrel. 21, Last annotation update)
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Q61480;
                                            Zinc-finger
                                                         PROSITE; PS00518; ZF_RING_1; 1.
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   41.5%;
Score 1243; DB 11;
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Length 558;
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Q9XYRO Q95LR1

Q9uac5 drosophila Q9xyr0 drosophila Q951r1 macaca fas

Q61382 mus musculu

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01-FEB-1997 (TrEMBLrel. 02, Last sequence update)
01-FEB-1997 (TrEMBLrel. 21, Last annotation update)
TRAFS (Similar to TNF receptor-associated factor 5).
Submitted (AUG-2001) to the EMBL/GenBank/DDBJ dat - :- SIMILARITY: CONTAINS 1 RING-TYPE ZINC FINGER. EMBL; D83528; BAA11942.1; -. EMBL; BC012702; AAH12702.1; -.
                                                                                                                                                                 MEDLINE=96382484; PubMed=8790348; Ishida T., Tojo T., Aoki T., Koba Yamamoto T., Inoue J.;
                                                                                                                                                                                                                                                             Eukaryota; Metazoa; Chordata; Mammalia; Eutheria; Rodentia;
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Mus musculus (Mouse).

Metazoa; Chordata;
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                                                                                                                      "TRAF5, a novel tumor necrosis factor receptor-associated family protein, mediates CD40 signaling."; proc. Natl. Acad. Sci. U.S.A. 93:9437-9442(1996).
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                                                           Strausberg R.;
                                                                            TISSUE=COLON;
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6; Mismatches 158;
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Pfam; PF02176; zf-TRAF; 2.
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SMART; SM00184; RING; 1.
pROSITE; PS00518; ZF_RING_1;
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SEQUENCE 558 AA; 64
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InterPro; IPR003007; TRAF.
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DPNSSSFKRPDGEMNIASGCPRFVSHSTLENSKNTYIKDDTLFLKVAVDLTDLED 557
                                                           CARVYLNGDGMGKGTHLSLFFVIMRGEYDALLPWPFKQKVTLMLMDQGSSRRHLGDAFKP
                                                                                                                   HKAQLNKNEERFKQLEGACYSGKLIWKVTDYRVKKREAVEGHTVSVFSQPFYTSRCGYRL
                                                                                                                                                  HDIRLADMDLRFQVLETASYNGVLIWKIRDYKRRKQEAVMGKTLSLYSQPFYTGYFGYKM
                                                                                                                                                                             LQIVNQQPSRLDLRSLVDAVDSVKQRITQLEASD-----QRLVLLEGETSKHDAHINI
                                                                                                                                                                                                       RQ--NWE----EADSMKSSVESLQNRVTELESVDKSAGQAARNTGLLESQLSRHDQTLSV
                                                                                                                                                                                                                                       \tt LEQKESKIQQLAETVKKFEKELKQFTQMFGRNGTFLSNVQ-ALTSHTDKSAWLEAQVRQL
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                                                                                                                                                                                                                                                                                                                                                                                                                 FKDNCCKREVLNLHVYCKN-APGCNARIILGRFQDHLQH-CSFQAVPCPNESCREAMLRK 151
                            DPNSSSFKKPTGEMNIASGCPVFVAQTVLEN--GTYIKDDTIFIKVIVDTSDLPD 566
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         239;
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Znf_TRAF.
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Pred. No. 8.5e-70;
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RESULT
000463
   O00463;
01-JUL-1997 (TrEMBLrel. 04, Created)
01-NOV-1998 (TrEMBLrel. 08, Last sequence update)
01-JUN-2002 (TrEMBLrel. 21, Last annotation update)
TRAF5 (TNF receptor associated factor 5).
SEQUENCE FROM N.A.
MEDLINE-98172745; PubMed-9511754;
Mizushima S., Fujita M., Ishida T.,
Otsuka M., Yamamoto T., Inoue J.;
"Cloning and characterization of a
                                                                                                   Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
                                                                                     NCBI_TaxID=9606;
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                                                                                                                              Homo sapiens (Human)
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    cDNA encoding
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RESULT
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Best Local
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01-JUN-1998
01-JUN-1998
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Pfam; PF00097; zf-C3HC4; 1.
Pfam; PF02176; zf-TRAF; 2.
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SMART; SM00184; RING; 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        tumor necrosis factor receptor-associated factor 5 (TRAF5)."; Gene 207:135-140(1998).
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InterPro; IPR003007; TRAF.
InterPro; IPR001841; Znf_ring.
InterPro; IPR001293; Znf_TRAF.
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                                                                                                                                                                                                                                    HKAQLSKNEERFKLLEGTCYNGKLIWKVTDYKMKKREAVDGHTVSIFSQSFYTSRCGYRL
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  LOMVNQQQNKFDLRPLMEAVDTVKQKITLLENND-----QRLAVLEEETNKHDTHINI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SVEKNKSIQSLHNQICSFEIEIERQKEMLRNNESKILHLQRVIDSQAEKLKELDKEIRPF
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         (TrEMBLrel. 06, (TrEMBLrel. 06,
                                                                                                PRELIMINARY;
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Created)
Last sequence update)
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Pred. No. 1.8e
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"Tumor necrosis factor receptor (TNFR)-associated factor 2A (TRAF2A), a TRAF2 splice variant with an extended RING finger domain that inhibits TNFR2-mediated NF-kappaB activation.";

J. Biol. Chem. 273:4129-4134(1998).
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SMART; SM00184; RING; 1.
PROSITE; PS00518; ZF_RING_1; 1.
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Pfam; PF00097; zf-C3HC4; 1.
Pfam; PF02176; zf-TRAF; 2.
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STRAIN-C57BL/6; TISSUE-KIDNEY;
MEDLINE-98129826; PubMed-9461607;
Brink R., Lodish H.F.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Receptor; Zinc-finger.
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Mammalia; Eutheria; Rodentia;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       01-JUN-2002 (TrEMBLrel. 21, Last annotation update)
Tumor necrosis factor receptor associated factor 2A
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EMBL; AF027570; AAC53545.1; -.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NCBI_TaxID=10090;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Mus musculus (Mouse)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  InterPro; IPR003007;
InterPro; IPR001841;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               110 LALQVYCRNEGRGCAEQLTLGHLLVHLKNECQFEELPCLRADCKEKVLRKDLRDHVEKAC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      66 ECGHRFCESCM-----AALLSSSSPK-CTAC----QESII---KDKVFKDNCCKREI 109
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               7 MDAAGTLQPNPPLKLQPDRGAGSVLVPEQGGYKEKFVKT-VEDKYKCEKCRLVLCNPKQT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                LCREHTVGCSEMVETENLQDHELQRLREHLALL--LSSFLEAQASPGTLNQVGPELLQRC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           MAAASVTSPGSLELLQP------GFSKTLLGTRLEAKYLCSACKNILRRPFQA 47
FKKPTGEMNIASGCPVFVAQTVLE-NGTYIKDDTIFIKVIVDTSDL 564
                                                    NGDGTGRGTHLSLFFVVMKGPNDALLQWPFNQKVTLMLLDH-NNREHVIDAFRPDVTSSS
                                                                                   NGDGMGKGTHLSLFFVIMRGEYDALLPWPFKQKVTLMLMDQGSSRRHLGDAFKPDPNSSS 519
                                                                                                                                                        DLEQKVSELEVSTYDGVFIWKISDFTRKRQEAVAGRTPAIFSPAFYTSRYGYKMCLRVYL
                                                                                                                                                                                    DMDLREQVLETASYNGVLIWKIRDYKRRKQEAVMGKTLSLYSQPFYTGYFGYKMCARVYL 459
                                                                                                                                                                                                                                                                                                                    RONWEEADSMKSSVESLONRVTELESVDKSAGQAARNTGLLESQLSRHDQTLSVHDIRLA 399
                                                                                                                                                                                                                                                                                                                                                                              QILEQK-IATFENIVCVLNREVER---
                                                                                                                                                                                                                                                                                                                                                                                                                           SVEKNKSIQSLHNQICSFEIEIERQKEMLRNNESKILHLQRVIDSQAEKLKELDKEIRPF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TCSFKRYGCVFQGTNQQIKAHEASSAVQHVNLLKEWSNSLEKKVS------LLQNE
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        KYREATCSHCKSQVPMIKLQKHEDTDCPCVVVSCPHKCSVQTLLRSELSAHLSECVNAPS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ESLPAYCPND--GCTWKGTLKEYESCHEGLCPFLLTEC--PACKGLVRLSEKEHHTEQEC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       QCGHRYCSFCLTSILRCASILSSSGPQNCAACVYEGLYEEGISILESSSAFPDNAARREV
                                                                                                                                                                                                                                                                  -----KIEALSNKVQQLE----
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       IPR002083; MATH.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           508 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        27.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         56757 MW;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Znf_ring.
Znf_TRAF.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TRAF.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  89;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 832; DB 11;
Pred. No. 3.3e-44;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         74B8B26BFCF9B1C4 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Craniata; Vertebrata; Euteleostomi; Sciurognathi; Muridae; Murinae; Mus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Mismatches
                                                                                                                                                                                                                                                                                                                                                                            ----VAVTAEACSRQHRLDQD----
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                                                                                                                                                                                                                                                                  --RSIGLKDLAMA
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Q96NT2

Q96NT2

ID Q96NT2;

AC Q96NT2;

AC Q96NT2;

DT Q1-DEC-2

E CDNA THAMBALLA

OX NCBI_TAX

RA [1]

RA SUGINE-C

RA Nishi_TAX

RA SUGIN-TAX

RA TAXABASH

RA TA
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01-DEC-2001 (TrEMBLrel. 19, Last sequence update)
01-JUN-2002 (TrEMBLrel. 21, Last annotation update)
CDNA FLJ30124 fis, clone BRACE1000093, highly similar associated factor 2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        "NEDO human cDNA sequencing project.";
submitted (OCT-2001) to the EMBL/GenBank/DDBJ databases.
i- SIMILARITY: CONTAINS 1 RING-TYPE ZINC FINGER.
EMBL; AKO54686; BAB70792.1;
Interpro; IPR002883; MATH.
Interpro; IPR003007; TRAF.
Interpro; IPR003041; Znf_ring.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Nishi T., Nakagawa S., Senoh A., Mizuguchi H., Inagaki H., Sugiyama T., Irie R., Otsuki T., Sato H., Wakamatsu A., Ishii S., Yamamoto J., Isono Y., Kawai-Hio Y., Sato K., Nishikawa T., Kimura K., Yamashita H., Matsuo K., Nakamura Y., Sekine M., Kikuchi H., Kanda K., Wagatsuma M., Muzakawa K., Kanehori K., Takahashi-Fujii A., Oshima A., Sugiyama A., Kawakami B., Suzuki Y. Sugano S., Nagahari K., Masuho Y., Nagai K., Isogai T.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Pfam; PF00097; zf-C3HC4; 1.
Pfam; PF02176; zf-TRAF; 1.
PROSITE; PS00518; ZF_RING_1; UNKNOWN_1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Eukaryota; Metazoa; Chordata;
Mammalia; Eutheria; Primates;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Zinc-finger
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TISSUE=CEREBELLUM;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SEQUENCE FROM N.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Homo sapiens (Human).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        InterPro;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NCBI_TaxID=9606;
257
                                                           332 LDKEIRPFRQNWEEADSMKSSVESLQNRVTELESVDKSAGQAARNTGLLESQLSRHDQTL
                                                                                                                                                                                                                                             222 CCGADVKAHHEVCPKFPLTCD----GCG-----
                                                                                                                                                                                                                                                                                                  212 LLRSELSAHLSECVNAPSTCSFKRYGCVFQGTNQQIKAHEASSAVQHVNLLKEWSNSLEK 271
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           48
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      QDK -
                                                                                                                                                                               KVSLLQNESVEKNKSIQSLHNQICSFEIEIERQKEMLRNNESKILHLQRVIDSQAEKLKE
                                                                                                                                                                                                                                                                                                                                                                                                                      CKEKVLRKDLRDHVEKACKYREATCSHCKSQVPMIKLQKHEDTDCPCVVVSCPHKCSVQT 211
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PSD--GCTWKGTLKEYEVKMPACGMVTEAPAVGSRPRSPSSYDLVLHVPLTGAEACLMSV 165
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RNEGRGCAEQLTLGHLLVHLKNECQFEELP-----
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           QCGHRYCSFCLASILSSGPQNCAACVHEGIYEEGISILESSSAFPDNAARREVESLPAVC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ECGHRECESCMAALLSSSSPKCTAC-QESIIKDKV-----FKDNCCKREILALQVYC
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       MDAAGTLQPNPPLKLQPDRGAGSVLVPEQGGYKEKFVKT-VEDKYKCEKCRLVLCNPKQT
                                                                                                                                                                                                                                                                                                                                                              EEETELL--LRSCHEGRCPLMLTECPACKGLVRLGEKERHLEHECPERSLSCRH-CRA-P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      181;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      447 AA;
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Pred. No. 9.4e-38;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         73E158E346AB31D7 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Mismatches
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                                                                                                                         -PREKFQD
                                                                                                                                                                                                                                             ----KK
         ----RSI 274
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SEQUENCE
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01-DEC-2001 (TrEMBLrel. 19, Last sequence update)
01-MAR-2002 (TrEMBLrel. 20, Last annotation update)
01-MAR-2002 (TremBLrel. 20, Last annotation update)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Pfam; PF00917; MATH; 1.
Pfam; PF00097; zf-C3HC4; 1.
Pfam; PF02176; zf-TRAF; 2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             "Cloning and expression of crucian carp tumor necrosis factor receptor associate factor-2 (TRAF2)."; Submitted (OCT-2000) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Eukaryota; Metazoa; Chordatá; Craniata; Actinopterygii; Neopterygii; Teleostei; Cyprinidae; Carassius.
NCBI_TaxID=7957;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Q90WT6;
01-DEC-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Carassius auratus (Goldfish).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Tumor necrosis factor receptor associate
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Q90WT6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           -!- SIMILARITY: CONTAINS 1 RING-TYPE EMBL; AJ297860; CAC82653.1; -.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Wang T.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SEQUENCE FROM N.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TRAF2
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324
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LNREVERSALTL --
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        KMCLRIYLNGDGTGRGTHLSLFFVVMKGPNDALLRWPFNQKVTLMLLDQ-NNREHVIDAF
                                                  FEIEIERQKEMLRNNESKILHLQRVIDSQAEKLKELDKEIRPFRQNWEEADSMKSSVESL
                                                                                                    RLRAEGAGEWQE--DSGLGLYRGPEDAPPAGPNAAAHNAGRGGGPGVQQKVTALENIVCV
                                                                                                                                                                                                              KKIPREKFQEHTKSCAKSKSACQFSEIGCRAVVDNGKQQEHEQTSVMEHLRLMLSVLSSV
                                                                                                                                                                                                                                                                QTLLRSELSAHLSECVNAPSTCSFKRYGCVFQGTNQQ1KAHEASSAVQHVNLL-----
                                                                                                                                                                                                                                                                                                                        EACQAVILLSEKDRHNERECEARTLNCKYCKVTFNFKEIKAHDEI-CQKFPMQC-KDCGK 205
                                                                                                                                                                                                                                                                                                                                                                 ADCKEKVLRKDLRDHVEKACKYREATCSHCKSQVPMIKLQKHEDTDCPCVVVSCPHKCSV
                                                                                                                                                                                                                                                                                                                                                                                                                            AMSMLNITVAFPDNAARREIDSLPAKCPND--GCSWSGTLKDYEGQHEGRCDFERVKC--
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 KV-----FKDNCCKREILALQVYCRNEGRGCAEQLTLGHLLVHLKNECQFEELPCLR 149
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   REVLSVSMEPKYQCQQCKEILRKPFQAQCGHRFCVFCFKQLTSSGPIPCEACRAEGIFEE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                160;
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IPR001293; Znf_TRAF.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         IPR002083; MATH. IPR003007; TRAF.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       501 AA;
                                                                                                                                                              -KEWSNSLEKKVSLLQ-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PRELIMINARY;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          56503 MW;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   23.6%; Score 708; DB 13; 30.9%; Pred. No. 1.8e-36;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  86;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       DE0ED0f8D9DCC287 CRC64;
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     EALSRQHRLDQE--
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Vertebrata; Euteleostomi;
Ostariophysi; Cypriniformes;
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                                                                                                                                                              -NKSIQSLHNQICS
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                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local
                                                                                                                                                                                                                                                                                                                                                                                                                                             Pfam; PF00097; zf-C3HC4; 1.
Pfam; PF02176; zf-TRAF; 3.
SMART; SM00061; MATH; 1.
SMART; SM00184; RING; 1.
PROSITE: P500518; ZF_RING_1; 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     01-JUN-2001 (TrEMBLrel. 17, Created)
01-JUN-2001 (TrEMBLrel. 17, Last sequence update)
01-JUN-2002 (TrEMBLrel. 21, Last annotation update)
TNF receptor-associated factor 4.
                                                                                                                                                                                                                                                                                                                                                                                                                                  Receptor; Zinc-finger
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Homo sapiens (Human).
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Eutele
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Pfam;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Q9BUZ4
                                                                                                                       182
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              449
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                                                                                                                                                                                                                                                                                                                                                                        Local
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                mitted (JAN-2001) to the EMBL/GenBank/DDBJ databases SIMILARITY: CONTAINS 1 RING-TYPE ZINC FINGER. L; BC001769; AAH01769.1; -.
                        EKNKSIQSLHNQICSFEIEIERQKEMLRNNESKILHLQRVIDSQAEKLKELDKEIRPFRQ 341
                                                                                E-CVNAPSTCSFKRYGCVFQGTNQQIKAHEASSAVQHVNLLKEWSNSLEKKVSLLQNESV 281
                                                                                                               QHATSECPKRTQPCTYCTKEFVFDTIQSHQ-YQCPRLPVACPNQCGVGTVAREDLPGHLK 240
                                                                                                                                                                        SRRDLPAHLQHDCPKRRLKCEFCGCDFSGEAYESHEGMCPQESVYCENKCGARMMRRLLA 181
                                                                                                                                                                                                                                YAKIYPDPELEVQVLGLPIRCIHSEEGCRWSGPLRHLQGHL-NTCSFNVIPCPNRCPMKL 121
                                                                                                                                                                                                                                                              KDKVFKDNCCKREILALQVYCRNEGRGCAEQLTLGHLLVHLKNECQFEELPC----- 147
                                                                                                                                                                                                                                                                                           GFDYKFLEKPKRRLLCPLCGKPMREPVQVSTCGHRFCDTCLQEFLSEGVFKCPEDQLPLD 62
                                                                                                                                                                                                                                                                                                                        GYKEKFVKTVEDKYKCEKCRLVLCNPKQ-TECGHRECESCMAALLSSSSPKCTACQESII 95
                                                                                                                                         DHVEKACKYREATCSHCKSQVPMIKLQKHEDTDCPCVVVSCPHKCSVQTLLRSELSAHLS 222
                                                         DSCNTALVLCPFKDSGCKHRCPKLAMARHVEESVKPHLAMM----
                                                                                                                                                                                                          ------LRADCKE----
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  MRGEYDALLPWPFKQKVTLMLMDQGSSRRHLGDAFKPD 514
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                FIWKIADFSRRRQDAVGGRAPAMFSPAFYSSKYGYKMCLRLYLNGDGTGRGTHLSLFFVV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               LIWKIRDYKRRKQEAVMCKTLSLYSQPFYTGYFGYKMCARVYLNGDGMGKGTHLSLFFVI 476
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         MRGKYDALLKWPFSQKVTLMLLDQ-NNREHIIDAFRPD 485
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PF00917; MATH;
                                                                                                                                                                                                                                                                                                                                                                        Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1769; AAH01769.1; -.
IPR002083; MATH.
IPR003007; TRAF.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    IPR001841;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       IPR001293;
                                                                                                                                                                                                                                                                                                                                                                                                                     470 AA;
                                                                                                                                                                                                                                                                                                                                                            Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PRELIMINARY;
                                                                                                                                                                                                                                                                                                                                                                                                              53542 MW; A3F57E0E1081AB88 CRC64;
                                                                                                                                                                                                                                                                                                                                                                     18.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Chordata; Craniata; Vertebrata; Euteleostomi;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Znf_ring.
Znf_TRAF.
                                                                                                                                                                                                                                                                                                                                                    81; Mismatches 173; Indels 193;
                                                                                                                                                                                                                                                                                                                                                                       Score 560.5; DB 4
Pred. No. 2.6e-27;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          -----RTLTMRDLQLAESEQSLRELQFCTYDGV
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---LVSRQRQELQELRREL-----
                                                                                                                                                                                                                                                                                                                                                                                      DB 4;
                                                                                                                                                                                                      -----KVLRKDLR 162
                                                                                                                                                                                                                                                                                                                                                                                   Length
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RESULT 8
214848
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                                   InterPro; IPRO02083; MATH.
InterPro; IPRO03007; TRAF.
InterPro; IPRO01841; Znf_ring.
InterPro; IPR001293; Znf_TRAF.
Pfam; PF00917; MATH; 1.
Pfam; PF009917; MATH; 1.
Pfam; PF009097; zf-C3HC4; 1.
Pfam; PF00176; Zf-TRAF; 3.
SMART; SM00061; MATH; 1.
SMART; SM000184; RING; 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                              "Presence of a new conserved domain in CART1, a novel member of the tumor necrosis factor receptor-associated protein family, which is expressed in breast carcinoma.";
J. Biol. Chem. 270:25715-25721(1995).
  Zinc-finger
                                                                                                                                                                                                                                                                       pattern during mouse development.";
Mech. Dev. 71:187-191(1998).
                                                                                                                                                                                                                                                                                                                                                                                SEQUENCE FROM N.A.
TISSUE-BREAST DERIVED METASTATIC LYMPH NODE;
MEDLINE-98175888; PubMed-9507120;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SEQUENCE FROM N.A.
TISSUE-BREAST DERIVED METASTATIC LYMPH NODE:
MEDLINE-96039245; PubMed-7490069;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Q14848;
01-NOV-1996 (TrEMBLrel. 01, 01-NOV-1996 (TrEMBLrel. 21, 01-JUN-2002 (TrEMBLrel. 21, 01-Jun-2002)
                    PROSITE; PS00518; ZF_RING_1; 1.
                                                                                                                                                                                                                                 -!- SIMILARITY: CONTAINS 1 RING-TYPE EMBL; X80200; CAA56491.1; -.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Regnier_C.H., Tomasetto C., Moog-Lutz C., Chenard M.P., Wendling C.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TISSUE-BREAST DERIVED METASTATIC LYMPH NODE; MEDLINE-96029665; PubMed-7592751;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Cystein rich domain associated to RING and TRAF protein. MLN 62, CART1.
                                                                                                                                                                                                                                                                                                                                          Masson R., Regnier C.H., Chenard M.P., Wendling C., Mattel M.G.,
Tomasetto C., Rio M.C.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Basset P., Rio M.C.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SEQUENCE FROM N.A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Genomics 28:367-376(1995).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Tomasetto C., Regnier C.H., Moog-Lutz C., Mattei M.G., Chenard M.P., Lidereau R., Basset P., Rio M.C.;
"Identification of four novel human genes amplified and overexpressed in breast carcinoma and located to the q11-q21.3 region of chromosoma 17.";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
                                                                                                                                                                                                                                                                                                               "Tumor necrosis factor receptor associated factor4 (TRAF4) expression
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NCBI_TaxID=9606;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Homo sapiens (Human).
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 342 NWEEADSMKSSVESLQNRVTELESVDKSAGQAARNTGLLESQLSRHDQTLSVHDIRLADM
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RESULT 9
09Y4K3
ID 09Y4K3
AC 09Y4
DT 01-W
DT 0
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Q9Y4K3;
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                                                                                -i- SIMILARITY: CONTAINS 1 RING-TYPE EMBL; U78798; AAB38751.1; -. HSSP; P15919; IRMD.
                                                                                                                                                                MEDLINE=96434892; PubMed=8837778;
Cao Z., Xiong J., Takeuchi M., Kurama T., Goeddel
"TRAF6 is a signal transducer for interleukin-1.";
Nature 383:443-446(1996).
                                                                                                                                                                                                                                                                                                                                                                                                                                             01-NOV-1999 (TrEMBLrel. 12, Created)
01-NOV-1999 (TrEMBLrel. 12, Last sequence update)
01-JUN-2002 (TrEMBLrel. 21, Last annotation updat
                                                                                                                                                                                                                                                                                                                                Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
                                                                                                                                                                                                                                                                                                                                                                              Homo sapiens (Human)
                             InterPro; IPR002083; MATH.
InterPro; IPR000504; RNA_rec_mot.
InterPro; IPR003007; TRAF.
                                                                                                                                                                                                                                                              SEQUENCE FROM N.A.
                                                                                                                                                                                                                                                                                                          NCBI_TaxID=9606;
                                                                                                                                                                                                                                                                                                                                                                                                      TRAF6
                                                                                                                                                                                                                                                                                                                                                                                                                            Putative interleukin 1 signal transducer.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                223 E-CVNAPSTCSFKRYGCVFQGTNQQIKAHEASSAVQHVNLLKEWSNSLEKKVSLLQNESV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       122 SRRDLPAHLQHDCPKRRLKCEFCGCDFSGEAYESHEGMCPQESVYCENKCGARMMRGLLA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         37
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         QHATSECPKRTQPCTYCTKEFVFDTIQSHQ-YQCPRLPVACPNQCGVGTVAREDLPGHLK
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           KNFQKPGTWRGSLDESSLGFGYPKFISHQDIRKRNYVRDDAVFIRAAVE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  EKNKSIQSLHNQICSFEIEIERQKEMLRNNESKILHLQRVIDSQAEKLKELDKEIRPFRQ
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 {\tt NWEEADSMKSSVESLQNRVTELESVDKSAGQAARNTGLLESQLSRHDQTLSVHDIRLADM}
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    IPR001841;
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24.1%; Pred. No. 4.6
       Znf_ring
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                                                                                                                                                                                                                  Kurama T., Goeddel D.V.;
                                                                                                                                                 ZINC
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RESULT 10
P7019
ID P7019
AC P7019
DT 01-FE
DT 01-FE
DT 01-JU
DE TRAF6
GN TRAF6
GN Mus m
OC EUKar
OC Mamma
OX NCBI.
RN [1]
RN SEUI
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Best Local Similarity
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Pfam; PF00917; MATH; 1.
Pfam; PF00097; zf-C3HC4; 1.
Pfam; PF02176; zf-TRAF; 2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PROSITE; PS00030; RRM_RNP_1; PROSITE; PS00518; ZF_RING_1;
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SMART; SM00184; RING; 1.
                                                                      TRAF6.
Mus musculus (Mouse).
Mus musculus (Mouse).
Tharvota; Metazoa; Chordata;
Tharvota; Rodentia;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Zinc-finger
                                                                                                                                                                                                                P70196;
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                                                                                                                                                              01-FEB-1997 (TrEMBLrel. 02, 01-FEB-1997 (TrEMBLrel. 02, 01-JUN-2002 (TrEMBLrel. 21,
                                SEQUENCE FROM N.A.
                                                                                                                                                  TRAF6.
                                                               NCBI_TaxID=10090;
                                                                                                                                                                                                                                                                                                                                                                               440
   "TRAF6, a novel CD40
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                         FYTGYFGYKMCARVYLN-GDGMGKGTHLSLFFVIMRGEYDALLPWPFKQKVTLMLMDQGS 502
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     -PQCQRPFQKFHINIHILKDCPRRQVSCDNCAASMAFEDKEIH-DQNCPLANVICEY-CN
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      144;
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26.6%;
   associated factor.";
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Pred. No. 1.8e-26;
                                                                                                                                                                  Last sequence update)
Last annotation update)
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                                                                                  Craniata; Vertebrata; Euteleostomi; Sciurognathi; Muridae; Murinae; Mus
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Best Local Similarity
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J. Biol. Chem. 271:28745-28748(1996).
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SMART; SM00184; RING; 1.
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InterPro;
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PROSITE: PS00518; ZF_RING_1; 1.
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                                531
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GFGYVTFMHLEALRQGTFIKDDTLLVRCEVST
                           S-GCPVFVAQTVLENGTYIKDDTIFIKVIVDT 561
                                                                              FFVIMRGEYDALLPWPFKOKVTLMLMDOGSS--RRHLGDAFKPDPNSSSFKKPTGEMNIA
                                                                                                                                         NGVLIWKIRDYKRRKQEAVMGKTLSLYSQPFYTGYFGYKMCARVYLN-GDGMGKGTHLSL
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                                                         FVHTMQGEYDSHLPWPFQGTIRLTILDQSEALIRQNHEEVMDAKPELLAFQRPTIPRNPK
                                                                                                                                                                                     KQLESRLVRQDHQIRELTAKMETQSMYVGELKRTIRTL---EDKVAEM-----
                                                                                                                                                                                                                 ESLQNRVTELESVDKSAGQAARNTGLLESQLSRHDQTLSVHDIRLADMDLRFQVLETASY
                                                                                                                                                                                                                                                                                                              SVFGCHQKMQRNHLARHLQENTQLHMRLL----
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                                                                                                                     NGIYIWKIGKFGMHLKSQEEERPVVIHSPGFYTGRPGYKLCMRLHLQLPTAQRCANYISL
                                                                                                                                                                                                                                                                                                                                                                        SCVNCAVSMAYEEKEIH-DQSCPLANIICEY-CGT-ILIREQMPNHYDLDCPTAPIPCTF
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                                                                                                                                                                                                                                                                           ICSFEIEIERQKEMLRNNESKILHLQRVIDSQAEKLKELDKEIRPFRQNWEEADSMKSSV
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PF00097; zf-C3HC4; 1.
PF02176; zf-TRAF; 2.
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; IPR000504; RNA_rec_mot.
; IPR003097; TRAF;
; IPR0031841; Znf_ring.
; IPR001293; Znf_TRAF.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          17.9%; Score 535; DB 11; ilarity 25.2%; Pred. No. 1.2e-25; Conservative 104; Mismatches 236;
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Q9BIW7
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Best Local :
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01-JUN-2001
01-JUN-2001
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"A reverse genetic analysis of components of the Toll signaling pathway in Caenorhabditis elegans.";
Curr. Biol. 11:809-821(2001).
EMBL; AF348168; AAK37346.1; -.
InterPro; IPR003007; TRAF.
InterPro; IPR003007; TRAF.
InterPro; IPR001841; Znf_ring.
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SMART; SM00184; RING;
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MEDLINE=21407711; PubMed=11516642;
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GERNAAFGSQSFCSLAILQN--YVKDDKIYVQIDVDRCETLP
                          GEMNIASGCPVFVAQTVLENGTYIKDDTIFIKVIVDTSD-LP 565
                                                         SLYVLLLKGEFDPTLEWPFHRAIKISLLDQNPRPEDRVNITYVIDPRKLKANEKFLARPR
                                                                                     SLFFVIMRGEYDALLPWPFKQKVTLMLMDQGS-----SRRHLGDAFKPDPNSSSFKKPT
                                                                                                                   --FGPQLIWKIDKLQQRTNEAKSGADTTIFSVPFMSHRFGYKMMACACLFGDGSSAGKSI
                                                                                                                                                ASYNGVLIWKIRDYKRRKQEAVMGKTLSLYSQPFYTGYFGYKMCARVYLNGDGMGKGTHL
                                                                                                                                                                                                                                                                                                                                CSFKRYGCVFQGTNQQIKAHEASSAVQHVNLLKEWSNSLEKKVSLLQNESVEKNKSIQSL 290
                                                                                                                                                                                                                                                                                                                                                              LNRAVCSFCNKTIRDSDRERHPKT-CPQVIISCPFQCGLTDRPRLEIEAHCPSCPNVDNV
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CPICEQALRDPIKLNCDHHYCRQCFEN--ENRTPGCAACQTIIQPELCQHDRAKQKQILA 75
                                                                                                                                                                                                            SSVESLQNRVTELESVDKSAGQAARNTGLLESQLSRHDQTLSVHDIRLADMDLRFQVLET
                                                                                                                                                                                                                                                                      HNQICSFEIEIERQKEMLRNNESKILHLQRVIDSQAEKLKELDKEIRPFRQNWEEADSMK 350
                                                                                                                                                                                                                                                                                                  CPFVPYGCTFAGGKESIQQHLSDEPVRHLMYLCDEITDLKGTYELM-------
                                                                                                                                                                                                                                                                                                                                                                                                                           LPVVCTFESSGCPWDGQLGTLHDHL-SECTFKSSLKCEK--CGRQFAKNDLEKHRAK-CE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Pro; IPR001293; Znf_T
PF00917; MATH; 1.
PF02176; zf-TRAF; 2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              462 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (TrEMBLrel.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (TrEMBLrel.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Peloderinae;
                                                                                                                                                                                                                                           ERDMGSFNDRQTRIL-----SAAETCTEM----
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               17.5%; Score 523.5; DB 5 26.2%; Pred. No. 5.2e-25;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           52354 MW; E07F04BF1756B343 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Znf_TRAF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                17,
17,
20,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   68; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Created)
Last sequence update)
Last annotation updat
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             DB 5;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   188;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Indels 129;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
                                                                                                                  318
                                                                                                                                                                                                                                                                                                                                                              190
                                                                                                                                                                              260
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В

426 GERNAAFGSQSFCSLAILQN--YVKDDKIYVQIDVDRCETLP 465

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RESULT 12
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Best Local
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InterPro; IPR003007; TRAF-
InterPro; IPR001841; Znf_ring.
InterPro; IPR001293; Znf_TRAF-
Pfam; PP00917; MATH; 1.
Pfam; PF00917; MATH; 1.
SMART; SM00061; MATH; 1.
SMART; SM00184; RING; 1.
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01-AUG-1998 (TrEMBLrel.
01-MAR-2002 (TrEMBLrel.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Eukaryota; Metazoa; Nemato
Rhabditidae; Peloderinae;
NCBI_TaxID=6239;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Caenorhabditis elegans.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      F45G2.6 protein.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Science 282:2012-2018(1998).
EMBL; Z93382; CAB07615.1; -.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SEQUENCE FROM N.A. MEDLINE=99069613;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Submitted
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Lindsay
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SEQUENCE FROM N.A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           investigating biology.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Genome sequence of the nematode C.elegans: A platform
                                                                                                                                                                                                                                                                                                                                               171 YREATCSHCKSQVPMIKLQKHEDTDCPCVVVSCPHKCSVQTLLRSELSAHLSECVNAPST
                                                                                                                                                                                                                                                                                                                                                                                     123
                                                                                                                                                                                                                                                                                                                                                                                                                                          65
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   52 CEKCRLVLCNPKQTECGHRFCESCMAALLSSSSPKCTACQESIIKDKVFKDNCCKREILA 111
                                                                                                                                                                                                                                                                                                                                                                                                             LQVYCRNEGRGCAEQLTLGHLLVHLKNECQFE-ELPCLRADCKEKVLRKDLRDHVEKACK 170
                                                                                                                                                                                                                                                                                                                                                                                                                                       CPICEQALRDPIKLNCDHHYCRQCFEN--ENRTPGCAACQTIIQPELCQHDRAKQKQILA 122
                                                                                                                                                                                 SSVESLQNRVTELESVDKSAGQAARNTGLLESQLSRHDQTLSVHDIRLADMDLRFQVLET
                                                                                                                                                                                                                                                                                                CSFKRYGCVFQGTNQQIKAHEASSAVQHVNLLKEWSNSLEKKVSLLQNESVEKNKSIQSL
                                                                                                                                                                                                                                                                                                                             LNRAVCSFCNKTIRDSDRERHPKT-CPQVIISCPFQCGLTDRPRLEIEAHCPSCPNVDNV
                                                                                                                                                                                                                                                                                                                                                                                    LPVVCTFESSGCPWDGQLGTLHDHL-SECTFKSSLKCEK--CGRQFAKNDLEKHRAK-CE
GEMNIASGCPVFVAQTVLENGTYIKDDTIFIKVIVDTSD-LP
                                          SLYVLLLKGEFDPTLEWPFHRAIKISLLDQNPRPEDRVNITYVIDPRKLKANEKFLARPR
                                                                   SLFFVIMRGEYDALLPWPFKQKVTLMLMDQGS-----SRRHLGDAFKPDPNSSSFKKPT 524
                                                                                                 --FGPQLIWKIDKLQQRTNEAKSGADTTIFSVPFMSHRFGYKMMACACLFGDGSSAGKSI
                                                                                                                           ASYNGVLIWKIRDYKRRKQEAVMGKTLSLYSQPFYTGYFGYKMCARVYLNGDGMGKGTHL 470
                                                                                                                                                                                                                                        HNQICSFEIEIERQKEMLRNNESKILHLQRVIDSQAEKLKELDKEIRPFRQNWEEADSMK 350
                                                                                                                                                                                                                                                                     CPFVPYGCTFAGGKESIQQHLSDEPVRHLMYLCDEITDLKGTYELM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (MAR-1997)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       509 AA;
                                                                                                                                                                                                               ----ERDMGSFNDRQTRIL----SAAETCTEM--
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           PRELIMINARY;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PubMed=9851916;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Nematoda; Chromadorea; rinae; Caenorhabditis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     57514 MW;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            17.5%; 26.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   07,
07,
20,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                68;
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Last annotation updat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Created)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 523.5; DB 5
Pred. No. 5.8e-25;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           PRT;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CFA0E068F5AD00C8 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Mismatches 188;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             509
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            DB 5;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Rhabditida; Rhabditoidea;
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RESULT
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Best Local :
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01-NOV-1996 (TrEMBLrel. 01, Last sequence update)
01-JUN-2002 (TrEMBLrel. 21, Last annotation update)
Cysteine rich motif associated to Ring and Traf domains protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        InterPro; IPR001841; Znf_rii
InterPro; IPR001293; Znf_TR
Pfam; PF00991; MATH; 1
Pfam; PF00097; Zf-C3HC4; 1.
Pfam; PF02176; Zf-TRAF; 3.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              EMBL;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SEQUENCE FROM N.A.
MEDLINE=98175888; PubMed=9507120;
Masson R., Regnier C.H., Chenard M.P.,
Tomasetto C., Rio M.C.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Mus musculus (Mouse).
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Q61382
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SMART; SM00061; MATH; 1.
SMART; SM00184; RING; 1.
PROSITE; PS00518; ZF_RING_1; 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             pattern during mouse development.
Mech. Dev. 71:187-191(1998).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Zinc-finger
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              -!- SIMILARITY: CONTAINS 1 RING-TYPE ZINC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         "Tumor necrosis factor receptor associated factor4 (TRAF4) expression
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NCBI_TaxID=10090;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TRAF4 OR CART1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     InterPro; IPR002083; MATH.
InterPro; IPR003007; TRAF.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (MCART1)
                                                                                                                                                                                 182
                                                                                                                                                                                                               163
                                                                                                                                                                                                                                           122
300
                            342 NWEEADSMKSSVESLQNRVTELESVDKSAGQAARNTGLLESQLSRHDQTLSVHDIRLADM 401
                                                           282
                                                                                         282
                                                                                                                     241
                                                                                                                                                   223
                                                                                                                                                                                                                                                                         148
                                                                                                                                                                                                                                                                                                                                                                                              37
                                                                                                                                                                                                                                                                                                       63 YAKIYPDPELEVQVLGLAIRCIHSEEGCRWSGPLRHLQGHL-NTCSFNVVPCPNRCPAKL
                                                                                                                                                                                                                                                                                                                                 96 KDKVFKDNCCKREILALQVYCRNEGRGCAEQLTLGHLLVHLKNECQFEELPC-----
                                                                                                                                                                                                                                                                                                                                                                                                                                         Local Similarity
                                                                                                                                                                                                                                                                                                                                                                 ω
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ; X92346; CAA63103.1; -. MGI:1202880; Traf4.
                                                                                                                                                                                                                                                                                                                                                                                          GYKEKFYKTYEDKYKCEKC-RLYLCNPKQTECGHRFCESCMAALLSSSSPKCTACQESII 95
                                                                                                                                                                                 QHATSECPKRTQPCAYCTKEFVYDTIQSHQ-YQCPRLPVPCPNQCGVGTVAREDLPTHLK
                                                                                                                                                                                                                                                                                                                                                                 GLDYKFPEKPKRRLLCPLCGKPMRDSVEVSTCGHRYCDNCLQEFLSEGVFKCPEDQLPLD 62
                                                                                       EKNKSIQSLHNQICSFEIEIERQKEMLRNNESKILHLQRVIDSQAEKLKELDKEIRPFRQ
                                                                                                                       DSCRTAFVLCPFKESGCKHRCPKLAMGRHVEESVKPHLAMM-
                                                                                                                                                 E-CVNAPSTCSFKRYGCVFQGTNQQIKAHEASSAVQHVNLLKEWSNSLEKKVSLLQNESV
                                                                                                                                                                                                             DHVEKACKYREATCSHCKSQVPMIKLQKHEDTDCPCVVVSCPHKCSVQTLLRSELSAHLS
                                                                                                                                                                                                                                           SRRDLPAHLQHDCPKRRLKCEFCGCDFSGEAYESHEGVCPQESVFCENKCGARMMRRLLA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     470 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                           Conservative
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                                                                                                                                                                                                                                                                          LRADCKE-----
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Traf4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     53418 MW; 842F2168A926BAFB CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Znf_ring.
Znf_TRAF.
                                                                                                                                                                                                                                                                                                                                                                                                                         17.4%; Score 521.5; DB 11; 23.1%; Pred. No. 7.1e-25; tive 83; Mismatches 177;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PRT;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                        DB 11;
                                                              -LVSRQRQELQELRREL-----
                                                                                                                                                                                                                                                                          -----KVLRKDLR 162
                                                                                                                                                                                                                                                                                                                                                                                                                              Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 470;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Murinae; Mus
                                                                                                                                                                                                                                                                                                                                                                                                                              193;
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                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
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Best Local
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InterPro; IPR002083; MATH.
InterPro; IPR003007; TRAF.
InterPro; IPR001293; Znf_TRAF.
InterPro; IPR001293; Znf_TRAF.
Pfam; PF00917; MATH; 1.
Pfam; PF009176; zf-TRAF; 3.
SWADET. SWADES.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Drosophila melanogaster (Fruit fly).
Eukaryota; Metazoa; Arthropoda; Tracheata; Hexapoda; Insecta;
Ehterygota; Neoptera; Endopterygota; Diptera; Brachycera; Muscomorpha;
Ephydroidea; Drosophilidae; Drosophila.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Richter B.W.M., Duckett C.S.;
"Identification of a Drosophila TRAF homolog.";
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01-MAY-2000
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"Drosophila TRAF proteins are components of innate host defense
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                                                     KSIQSLHNQICSFEIEIERQKEMLRNNESKILHLQRVIDSQAEKLKELDKEIRPFRQNWE 344
                                                                                                                                                SKDCAKRLRRCAHCQREFSADTLPLHA-AQCPRAPLACPQRCDAGPIPRGELEAHLRDEC
                                                                                                             QSLAVSCSFKEAGCRFKGPRQMLEAHLESNAAAHLSLMVALSSRQGQQIQML-----
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                                                                                                                                                                                                                                                                                                                                                     RTRC--EFCQSEFSGAGLEEH------NGSCGQEPVYC-EAKCGQRILRGRMTLHK 133
                                                                                                                                                                                                                                                                                                                                                                                                             EILALQVYCRNE--GRGCAEQLTLGHLLVHLKNECQFEELPCLRADCKEKVLRKDLRDHV 165
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RA Adams M.D., Celniker S.E., Hilt R.A., Evans C.A., Gocayne J.D., RA Adams M.D., Celniker S.E., Hilt P.W., Hoskins R.A., Galle R.F., RA George R.A., Lewis S.E., Richards S., Ashburner M., Henderson S.N., RA George R.A., Lewis S.E., Richards S., Ashburner M., Henderson S.N., RA George R.A., Lewis S.E., Richards S., Ashburner M., Henderson S.N., RA George R.A., Lewis S.E., Richards S., Ashburner M., Fleiffer B.D., RA George R.A., Lewis S.E., Richards S., Eshburner M., Fleiffer B.D., Change M. Fleiffer B.D., Ra Brandon R.C., Royers Y.-H.C., Blazel R.G., Change M., Pfeiffer B.D., RA Man K.H., Doyle C., Baxter E.G., Helt G., Nelson C.R., Millos G.L.G., RA Man K.H., Doyle C., Baxter E.G., Helt G., Nelson C.R., Millos G.L.G., RA Beeson K.Y., Benos P.V., Berman B.P., Bhandari D., Bolshakov S., Ra Borkova D., Botchen M.R., Bouck J., Brokstein P., Brottler P., Ra Borkova D., Botchen A., Deng Z., Mays A.D., Dew I., Dietz S.M., RA Beeson K.Y., Debcher A., Deng Z., Mays A.D., Dew I., Dietz S.M., RA Dodson K., Dopp L.E., Downes M., Dugan-Rocha S., Dunkov B.C., Dunn P., RA Gebablos B., Delcher A., Deng Z., Mays A.D., Dew I., Dietz S.M., RA Glodek A., Gong F., Gorrell J.H., Gu Z., Glan P., Harris M., RA Harris N.L., Harvey D., Heiman T.J., Hernandez J.R., Houck J., RA Harris N.L., Harvey D., Heiman T.J., Hernandez J.R., Houck J., Lin X., Mattel B., McIntosh T.C., McLeod M.-H., McPherson D., RA Kimmel B.E., Kodira C.D., Kraft C., Kravitz S., Kull D., Lai Z., Liang Y., Lin X., Lako P., Lei Y., Levitsky A.A., Li J., Li Z., Liang Y., Lin X., RA Liu X., Mattel B., McIntosh T.C., McLeod M., McPherson D.L., Ra Lako P., Lei Y., Levitsky A.A., Li J., Li Z., Liang Y., Lin X., RA Merkulov G., Milshina N.V., Mobarry C., Morris J., Moshreti A., RA Palazzolo M., Pittman G.S., Pan S., Pollard J., Purl V., Reese M.G., RA Merkulov G., Milshina N.V., Mobarry C., Morris J., Moshreti A., RA Palazzolo M., Pittman G.S., Pan S., Pollard J., Purl V., Reese M.G., RA Mang S.-Y., Welson K.A., Naxon E., Wang S., Wao, N., Welssenbach J., Ra Mary S., Pala
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Drosophila melanogaster (Fruit fly).

Eukaryota; Metazoa; Arthropoda; Tracheata; Hexapoda; Insecta;

Pterygota; Neoptera; Endopterygota; Diptera; Brachycera; Muscomorpha;

Ephydroidea; Drosophilidae; Drosophila.
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01-NOV-1999 (TrEMBLrel 12,
01-UN-2002 (TrEMBLrel 21,
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SEQUENCE FROM N.A.
SEQUENCE FROM N.A.
MEDLINE=99147085; PubMed=10021364;
MEDLINE=99147085; PubMed=10021364;
Liu H., Su Y.C., Becker E., Treisman J., Skolnik E.Y.;
"A Drosophila TNF-receptor-associated factor (TRAF) binds the ste20
"A Drosophila TNF-receptor-associated factor (TRAF) binds the ste20
kinase Misshapen and activates Jun kinase.";
"Trr. Biol. 9:101-104(1999).
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SEQUENCE
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InterPro; IPR003007; TRAF.
InterPro; IPR001293; Znf_TRAF.
Pfam; PF00917; MATH; 1.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            161 RTRC--EFCQSEFSGAGLEEH------NGSCGQEPVYC-EAKCGQRILRGRMTLHK 207
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 108 EILALQVYCRNE--GRGCAEQLTLGHLLVHLKNECQFEELPCLRADCKEKVLRKDLRDHV 165
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           117 DELRKLKGHLNACKHDATQCPN--------KCGAQIPRIMMTDHLQYTCTMR 160
                                                                                                                                                                                                                                                                                                                                                                                                                                             285 KSIQSLHNQICSFEIEIERQKEMLRNNESKILHLQRVIDSQAEKLKELDKEIRPFRQNWE 344
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            48 DKYKCEKCRLVLCNPKQTECGHRFCESCMAALLSSSSPKCTACQESIIKDKVFKDNCCKR 107
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Local Similarity
                                                                                                                        PTGEMN-IASGCPVFVAQTVLENGTYIKDDTIFIKVIVDTSDL 564
                                                                                                                                                             ----SINYTGTLLWKITDWSAKMAEARGKDGLELVSPPFYTSQYGYKLQASMFLNGNGP 380
                                                                                                                                                                                                                                                                               FQVLETASYNGVLIWKIRDYKRRKQEAVMGKTLSLYSQPFYTGYFGYKMCARVYLNGDGM 464
                                                                                                                                                                                                                                                                                                                           ----KSAVSKL-----
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           VNAPSTCSFKRYGCVFQGTNQQIKAHEASSAVQHVNLLKEWSNSLEKKVSLLQNESVEKN 284
: :|||| || :| | ::| |: |: :: :|
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       486 AA; 53665 MW; 41474B5E014A99D5 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             MATH; 1.
zf-TRAF; 3.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          16.7%; score 500; DB 5; Length 486; 24.9%; Pred. No. 1.6e-23;
                        2002, 15:01:31
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      73; Mismatches 158;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            162;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
                                                                                                                                                                                                                                                                                                                                                                                                            318
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      266
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            11;
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